SCC-643N
DAY/NIGHT SMART DOME CAMERA

SUMMARY

The SCC-643N Smart Dome Camera has many of the same features as the low light SCC-641N Smart Dome but also includes day/night circuitry and 8 privacy zones. The SCC-641N and SCC-643N are part of the IC Series (Intelligent Camera) of intelligent, remotely controllable cameras. A number of advanced features and architecturally pleasing housings make these dome systems the new choice for systems integration.

One important differentiation with the Samsung Smart Domes is the ability to program not only position and focus on presets, but also the actual video settings for the camera. This enables iris control, shutter speed, negative imaging and all other video controls to be unique for each preset. This feature extends the boundaries of the SCC Series into many other applications (traffic, marine, severe lighting, etc.).

With 480 lines of resolution and a minimum scene illumination of .02 Lux in color and .005 Lux in monochrome, the SCC-643N is a truly versatile solution. Superior white balance circuitry and excellent back light compensation produce high resolution, crisp and clear images.

Remote control and programming is accomplished via an RS-485 (full or half duplex) network, which allows all cameras in the IC Series to be controlled and communicate. A built in X22 optical zoom with a X10 digital zoom gives the SCC-641N an enhanced total zoom capability of 220X with a focal length of 3.9 to 79.2mm.

With the addition of the GV-LAN101, the SCC-643N can be converted into an IP addressable device and can be viewed or controlled remotely via intranet or internet.

Additional features include up to eight privacy zones, motion detection, alarming inputs and outputs on the dome head, auto-flip, guard tour, programmable patterns and up to 128 presets.

Housing options for the SCC-643N include indoor and outdoor with pole, corner, wall or recessed ceiling mounts. The wall mount option provides a low profile, attractive mounting alternative to commercially available housings.

The IC Series (Intelligent Camera) from Samsung Electronics are the professional's choice for systems integration. Full control capability, remote access, IP modules and a variety of housing and mounting options make the IC series the new standard of professional surveillance.

FEATURES

- Digital Signal Processing (DSP)
- 1/4" IT Super HAD CCD 410,000 Pixels
- 480 TV Lines Of Horizontal Resolution
- Built-in x22 Zoom Lens (F=3.9 ~ 79.2mm), x10 Digital Zoom (Max. x220)
- Color Mode: 0.02 Lux (sens up x128)
- B/W Mode: 0.005 Lux (sens up x128)
- Manual Speed: Pan: 0.8°~ 90°/sec, 64 steps, Tilt: 0.8°~ 45°/sec, 64 steps
- Preset Speed: Pan (240°/sec), Tilt (150°/sec)
- Pan travel: 360° continuous
- External Synchronization With Line-Lock
- Motion Detection Function

ARCHITECTURAL & ENGINEERING

The product described in this specification shall be a SCC-643N Indoor/Outdoor, Day/Night Smart Dome System. The dome shall have a 1/4" imaging device with 480 lines of resolution. The camera shall have picture in picture capability on zoom, alarming inputs and outputs on the dome head and a X22 motorized zoom lens with a X10 digital zoom capability. The camera shall employ Day/Night technology and incorporate up to eight privacy zones for screening sensitive parts of the viewing area. The dome shall have motion detection capability with alarming presets, tours and home functions. The lens assembly will be equipped to auto-flip and shall have an enhanced focal length of 3.6 to 79.2mm. The dome viewing area shall be constructed of vandal resistant Lexan and be capable of withstanding Type S, Tensile Impact of 275 ft-lbs and falling dart impact of 125 ft-lbs. The dome camera shall be completely compatible with the IC (Intelligent Camera) series manufactured by Samsung Electronics.

SCC-643N | TECHNICAL SPECIFICATIONS

SPECIFICATION

Scanning System: NTSC Standard: 525 Lines, 30Frames/sec

Image Device: Interline transfer Super HAD CCD, 410,000 Pixels

Image Size: 1/4"

Picture Elements: 811(H) X508 (V): Total Picture Elements

Interlace: 2: 1 Interlace

Synchronizing Frequency:
Horizontal: 15,734Hz(INT)/15,750Hz(L/L)
Vertical: 59.94Hz(INT)/60Hz(L/L)

Synchronizing System: Internal/Line-Lock

Resolution: Horizontal: 480 TV Lines, Vertical: 350 TV Lines

Video Output Level: VBS 1.0 Vp-p (75 Ohms, composite)

S/N Ratio: More than 50 dB

Min. Scene Illumination: Color Mode: 3 Lux (50 IRE) 0.02 Lux (Sens Up x128) B/W Mode: 0.005 Lux (Sens Upx128)

Electronic Sensitivity: Up x128

White Balance: ATW/AWC/Manual

BLC: User Variable Area

Focal Length: 3.6 to 79.2mm

Aperture: F1.6 (Wide), F3.8 (Tele)

Viewing Angle: 3.6mm, 47°.9'(H) x 36°.9'(V) 79.2mm, 2°.3'(H) x 1°.7'(V)

Manual Pan/Tilt Speed: Pan: 0.8°~ 90°/sec (64 steps),
Tilt: 0.8°~ 45°/sec (64 steps)

Present Pan/Tilt Speed: Pan: 240°/sec, maximum,
Tilt: 150∞/sec, maximum

Pan/Tilt Travel: Pan: 360° continuous, Tilt: 0°~ 90°

Lens Magnification: Total: x220, Optical: x22, Digital: x10

Programmable Presents: 128

Programmable Patterns: 4

Input/Output Sockets:
Video Output Connector: BNC (Female)
Remote Control: RS-485 (Half Duplex)/RS-422
Alarm Inputs/Outputs: 4/3

Privacy Zone: 8 area

Environmental Conditions:
Operating Temperature: -10~ 50°C (14~122∞F)
Operating Humidity: Within 90% RH

Power Requirement: 24V AC, 60Hz

Power Consumption: 18.0W

Weight: Approx. 2.0Kg / 4.4lbs

Dimensions: 159.6(Ø) x 176(D) mm - 6.26"(Ø) x 6.78"(D)

ACCESSORIES

CONTROLLER KEYBOARD SSC-1000N

Controller for SCC-641N, SCC-643N domes, SCC-421AN and SCC-931TN cameras motorized zoom cameras as well as video control for the SCC-833, SCC-835 and SCC-341 low light cameras.

RECOMMENDED POWER SUPPLIES

Interior Domes:
TRAN-24-50LED, 24V AC, 50 VA, Class II plug in transformer.
Exterior Domes:
GV-TWCS, Transformer 24V AC 4A (100VA), 8.5"H X 7.5"W X 3.5"D cabinet

ACCESSORIES

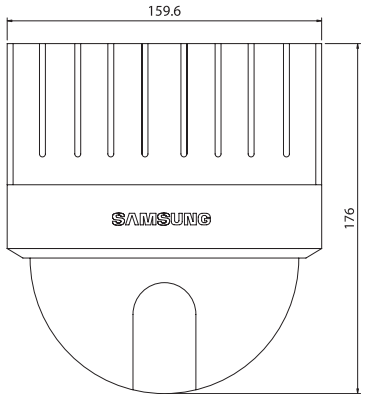
See configuration table for more information.

Housings:
SHG-120, Metal indoor housing, needs wall or pendant mount.
SHG-220, Metal outdoor housing-heater / blower needs wall or pendant mount.

Mounts:
SBR-100DCM, Indoor ceiling mount bracket for recess application, all metal.
SADT-100WM, Wall mount indoor/outdoor
SADT-100CM, Pendant mount, ceiling

Adaptors:
SADT-100PM, Pole mount; use it with SADT-100WM wall mount.
SADT-110CM, Corner mount; use it with SADT-100WM wall mount.

LAN Interface:
GV-LAN101, Network Adapter. TCP/IP addressable digital video and PTZ adapter and client software for up to one IC (Intelligent Camera) Series device.



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